

EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEEEEEEEE	DDDDDDDDDD	TTTTTTTTTT
EEE	DDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT
EEEEEEEEE	DDDDDDDDDD	TTT

FILEID**LNONCTG

N 4

LL NN NN 000000 NN NN CCCCCCCC TTTTTTTTTT GGGGGGGGG
LL NN NN 000000 NN NN CCCCCCCC TTTTTTTTTT GGGGGGGGG
LL NN NN 00 00 NN NN CC TT GG
LL NN NN 00 00 NN NN CC TT GG
LL NNNN NNNN 00 00 NNNN NN CC TT GG
LL NNNN NNNN 00 00 NNNN NN CC TT GG
LL NN NN NN 00 00 NN NN CC TT GG
LL NN NN NN 00 00 NN NN CC TT GG
LL NN NNNN 00 00 NN NNNN CC TT GG GGGGGG
LL NN NNNN 00 00 NN NNNN CC TT GG GGGGGG
LL NN NN 00 00 NN NN CC TT GG GG
LL NN NN 00 00 NN NN CC TT GG GG
LL LLLLLLLL NN NN 000000 NN NN CCCCCCCC TT GGGGGG
LL LLLLLLLL NN NN 000000 NN NN CCCCCCCC TT GGGGGG

LL IIIIII SSSSSSSS
LL II SS SSSSSSSS
LL II SS SSSSSS
LL II SS SSSSS
LL II SS SSS
LL II SS SSS
LL LLLLLLLL IIIIII SSSSSSSS
LL LLLLLLLL IIIIII SSSSSSSS

ED
VO

```
0001 0 %TITLE 'EDT$LNONCTG - test for non-contiguous range'
0002 0 MODULE EDT$LNONCTG (
0003 0           IDENT = 'V04-000'
0004 0           ) =
0005 1 BEGIN
0006 1 ****
0007 1 *
0008 1 *
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0026 1 *
0027 1 *
0028 1 ****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 Test for a non-contiguous range.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: February 3, 1978
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 10-MAR-81. This module was created by
0045 1 extracting the routine EDT$$TST_NONCNTGRNG from EXEC.BLI.
0046 1 1-002 - Regularize headers. JBS 20-Mar-1981
0047 1 1-003 - Use new message codes. JBS 04-Aug-1981
0048 1 1-004 - Improve the appearance of the listing. JBS 14-Jun-1983
0049 1 --
0050 1
```

```
: 52      0051 1 %SBTTL 'Declarations'  
.: 53      0052 1 |  
.: 54      0053 1 | TABLE OF CONTENTS:  
.: 55      0054 1 |  
.: 56      0055 1 |  
.: 57      0056 1 | REQUIRE 'EDTSRC:TRAROUNAM';  
.: 58      0495 1 |  
.: 59      0496 1 | FORWARD ROUTINE  
.: 60      0497 1 |   EDT$$TST_NONCNTGRNG;  
.: 61      0498 1 |  
.: 62      0499 1 |  
.: 63      0500 1 | INCLUDE FILES:  
.: 64      0501 1 |  
.: 65      0502 1 |  
.: 66      0503 1 | REQUIRE 'EDTSRC:EDTREQ';  
.: 67      0638 1 |  
.: 68      0639 1 |  
.: 69      0640 1 | MACROS:  
.: 70      0641 1 |  
.: 71      0642 1 |     NONE  
.: 72      0643 1 |  
.: 73      0644 1 | EQUATED SYMBOLS:  
.: 74      0645 1 |  
.: 75      0646 1 |     NONE  
.: 76      0647 1 |  
.: 77      0648 1 | OWN STORAGE:  
.: 78      0649 1 |  
.: 79      0650 1 |     NONE  
.: 80      0651 1 |  
.: 81      0652 1 | EXTERNAL REFERENCES:  
.: 82      0653 1 |  
.: 83      0654 1 |     In the routine
```

```
: 85      0655 1 %SBTTL 'EDT$$ST_NONCNTGRNG - test for non-contiguous range'
: 86      0656 1
: 87      0657 1 GLOBAL ROUTINE EDT$$ST_NONCNTGRNG (           ! Test for non-contiguous range
: 88          RANGE                         ! The range to test
: 89          ) =
: 90      0660 1
: 91      0661 1 ++
: 92      0662 1 FUNCTIONAL DESCRIPTION:
: 93      0663 1
: 94      0664 1 This routine takes a range node and determines whether or not it
: 95      0665 1 defines a contiguous range. The range is non-contiguous if it is
: 96      0666 1 a ALL or if the next range field is non-zero, indicating and AND.
: 97      0667 1
: 98      0668 1 FORMAL PARAMETERS:
: 99      0669 1
:100     0670 1     RANGE           The range to test
:101     0671 1
:102     0672 1 IMPLICIT INPUTS:
:103     0673 1
:104     0674 1     NONE
:105     0675 1
:106     0676 1 IMPLICIT OUTPUTS:
:107     0677 1
:108     0678 1     NONE
:109     0679 1
:110     0680 1 ROUTINE VALUE:
:111     0681 1
:112     0682 1     0 = range is contiguous, 1 = range is non-contiguous
:113     0683 1
:114     0684 1 SIDE EFFECTS:
:115     0685 1
:116     0686 1     Prints a message if the range is non-contiguous.
:117     0687 1     Calls itself recursively if the range refers to a buffer.
:118     0688 1
:119     0689 1 --
:120     0690 1
:121     0691 2 BEGIN
:122     0692 2
:123     0693 2 EXTERNAL ROUTINE
:124     0694 2     EDT$$FMT_MSG;
:125     0695 2
:126     0696 2 MESSAGES ((RANNONCON));
:127     0697 2
:128     0698 2 MAP
:129     0699 2     RANGE : REF NODE_BLOCK;
:130     0700 2
:131     0701 3 IF ((.RANGE [RAN_TYPE] EQL RAN_ALL) OR (.RANGE [NEXT_RANGE] NEQ 0))
:132     0702 2 THEN
:133     0703 3 BEGIN
:134     0704 3     EDT$$FMT_MSG (EDT$RANNONCON);
:135     0705 3     RETURN (T);
:136     0706 3     END
:137     0707 2 ELSE
:138     0708 2 +
:139     0709 2     If is is a buffer range, we better look at the range below it.
:140     0710 2 -
:141     0711 2
```

EDT\$LNONTG
V04-000

EDT\$LNONTG - test for non-contiguous range
EDT\$\$TST_NONCNTGRNG - test for non-contiguous

E 5
16-Sep-1984 00:53:50
14-Sep-1984 12:23:37

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LNONTG.BLI;1

Page 4
(3)

: 142 0712 3 IF (.RANGE [RAN_TYPE] EQL RAN_BUFFER)
: 143 0713 2 THEN
: 144 0714 3 RETURN (EDT\$\$TST_NONCNTGRNG (.RANGE [RANGE1]))
: 145 0715 2 ELSE
: 146 0716 2 RETURN (0);
: 147 0717 2
: 148 0718 1 END;

! of routine EDT\$\$TST_NONCNTGRNG

.TITLE EDT\$LNONTG EDT\$LNONTG - test for non-contiguous range

.IDENT \V04-000\

.EXTRN EDT\$\$FMT_MSG, EDT\$RANNONCON

.PSECT _EDT\$CODE,NOWRT, SHR, PIC,2

		0004 00000		.ENTRY EDT\$\$TST_NONCNTGRNG, Save R2	0657
	52	04 AC D0 00002		MOVL RANGE, R2	0701
	13	01 A2 91 00006		CMPB 1(R2), #19	
		10 A2 D5 0000C		BEQL 1\$	
		11 13 0000F		TSTL 16(R2)	
	00000000G	00 0000000G	8F DD 00011	BEQL 2\$	
		01 FB 00017	1\$:	PUSHL #EDT\$RANNONCON	0704
	50	01 D0 0001E		CALLS #1, EDT\$\$FMT_MSG	
		04 00021		MOVL #1, R0	0712
		OD 01 A2 91 00022	2\$:	RET	
		08 12 00026		CMPB 1(R2), #13	
	D1 AF	04 A2 DD 00028		BNEQ 3\$	
		01 FB 0002B		PUSHL 4(R2)	0714
		04 0002F		CALLS #1, EDT\$\$TST_NONCNTGRNG	
		50 D4 00030	3\$:	RET	
		04 00032		CLRL R0	0716
				RET	0718

: Routine Size: 51 bytes, Routine Base: _EDT\$CODE + 0000

: 149 0719 1
: 150 0720 1 !<BLF/PAGE>

EDT\$LNONTG
V04-000

EDT\$LNONTG - test for non-contiguous range
EDT\$STST_NONCNTGRNG - test for non-contiguous

F 5

16-Sep-1984 00:53:50
14-Sep-1984 12:23:37

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LNONTG.BLI;1

Page 5
(4)

: 152 0721 1 END
: 153 0722 1
: 154 0723 0 ELUDOM

: ! of module EDT\$LNONTG

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	51	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	Total	Symbols Loaded	Percent	Pages Mapped	Processing Time
-\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	52	13	40	00:00.2
-\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:\$LNONTG/OBJ=OBJ\$:\$LNONTG MSRC\$:\$LNONTG.BLI/UPDATE=(ENH\$:\$LNONTG
)

: Size: 51 code + 0 data bytes
: Run Time: 00:10.0
: Elapsed Time: 00:13.2
: Lines/CPU Min: 4333
: Lexemes/CPU-Min: 12953
: Memory Used: 68 pages
: Compilation Complete

0136 AH-BT13A-SE
VAX/VMS V4.0

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